

FIG. 1

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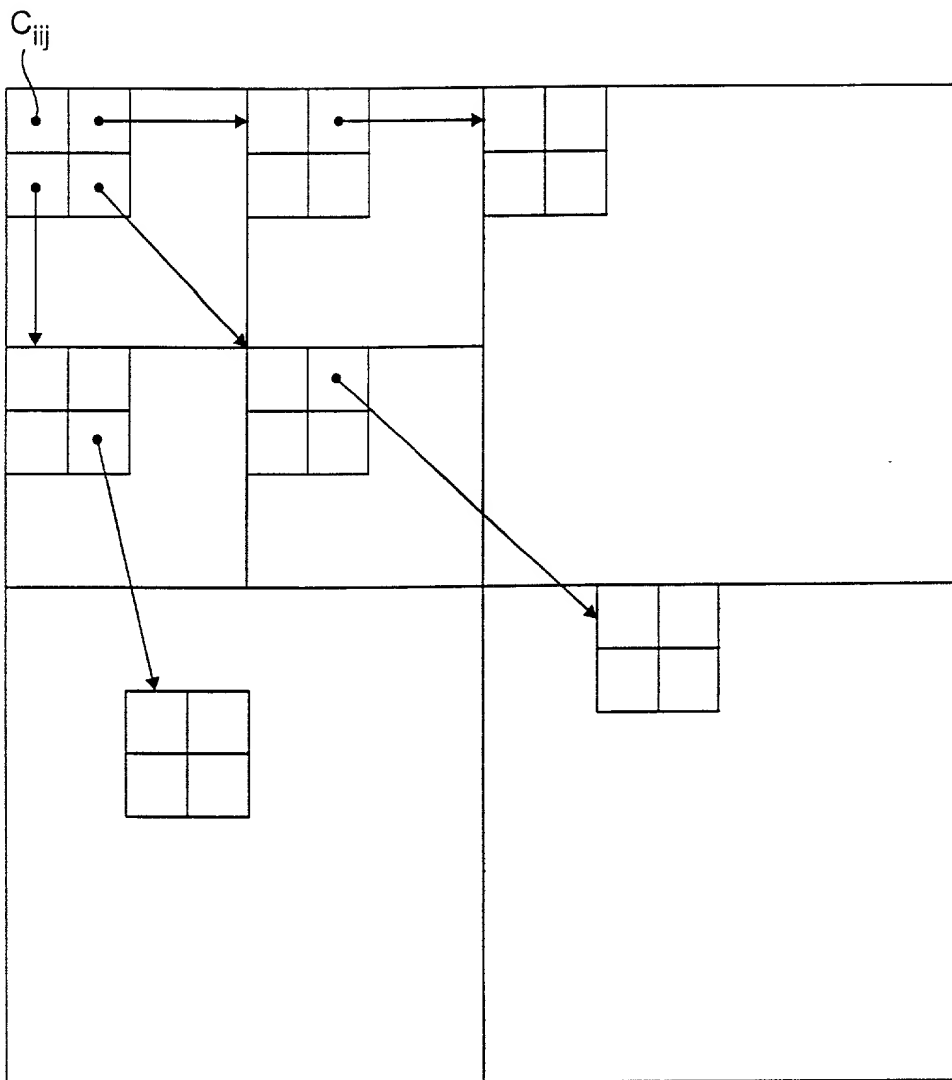


FIG. 2

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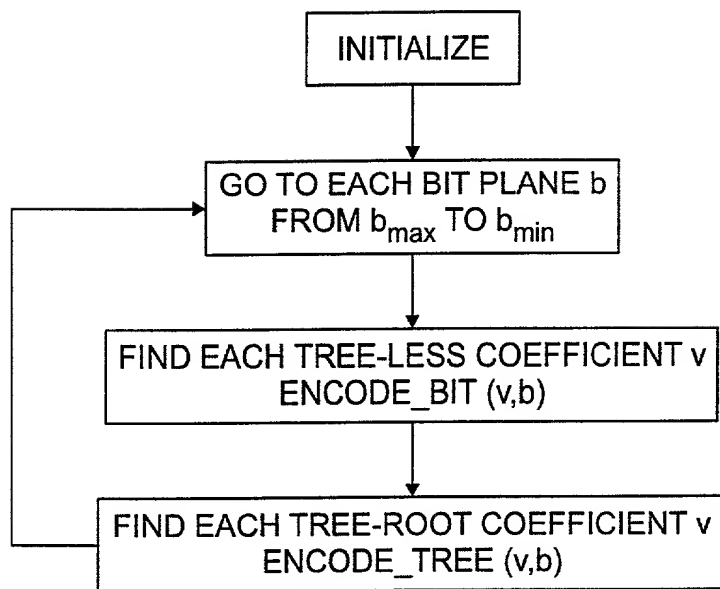


FIG. 3a

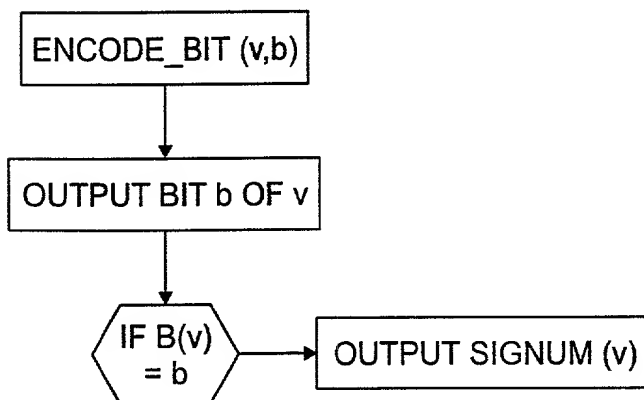


FIG. 3b

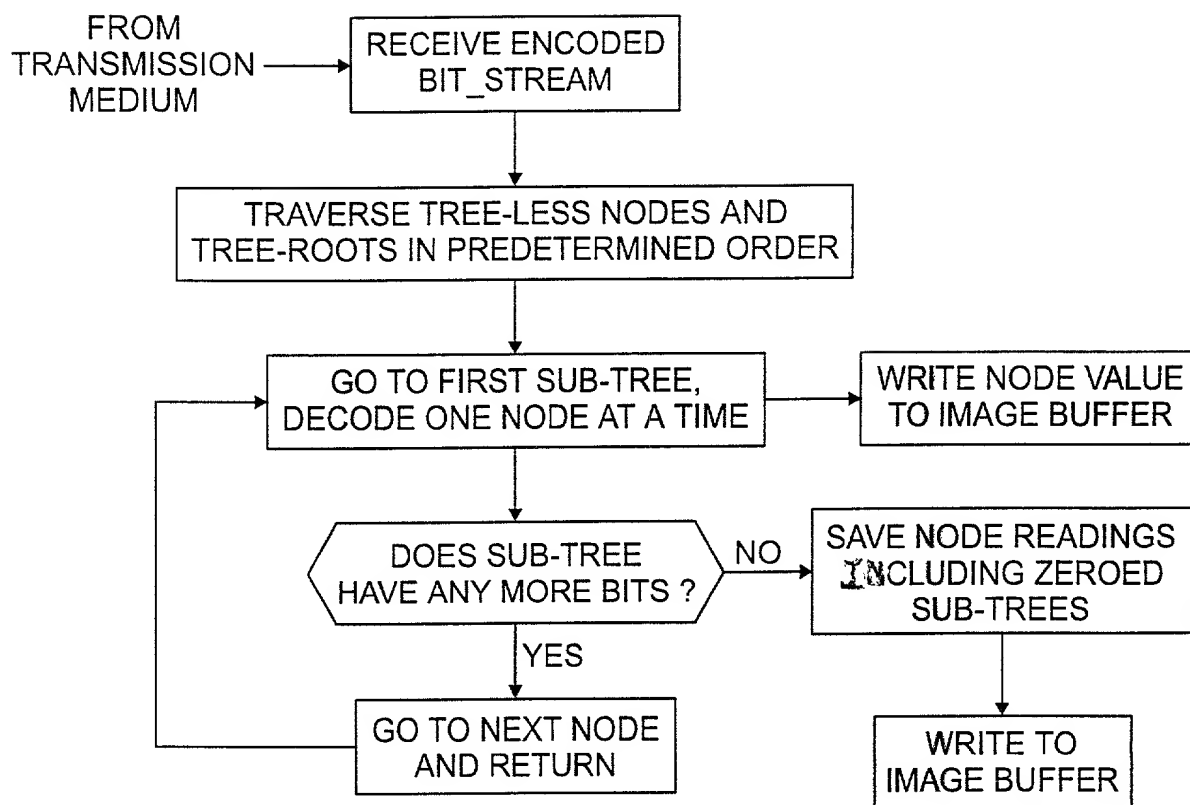
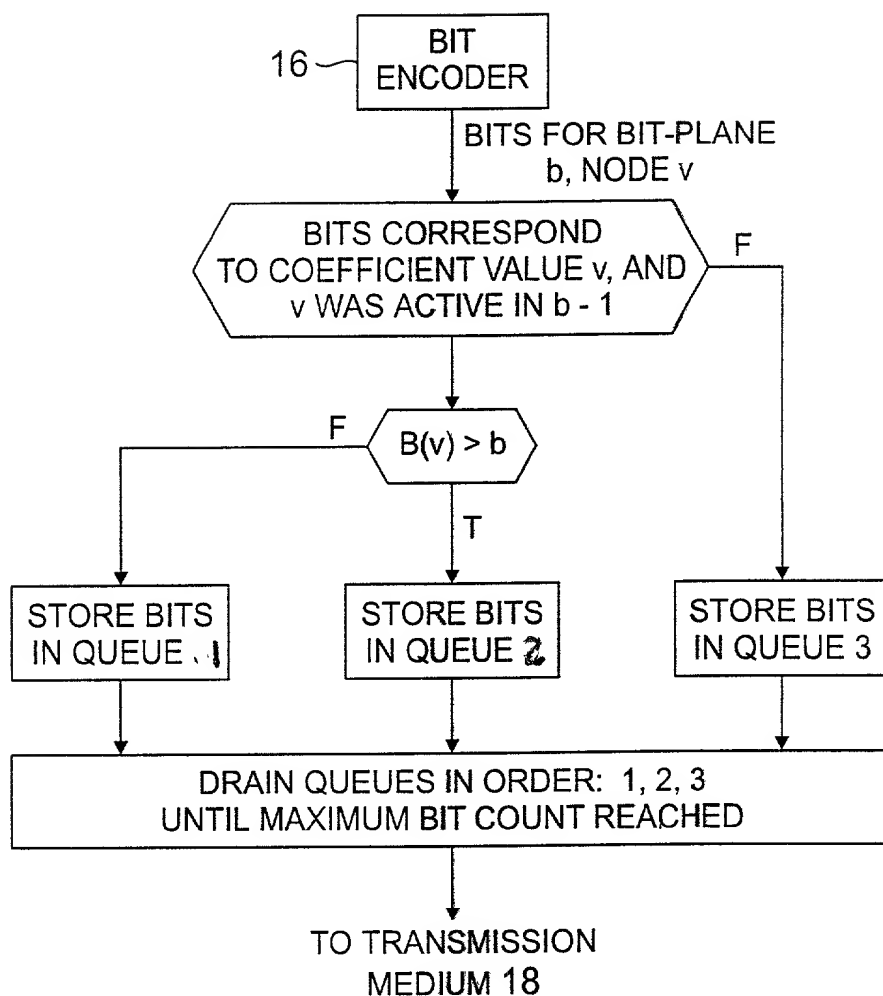


FIG. 4

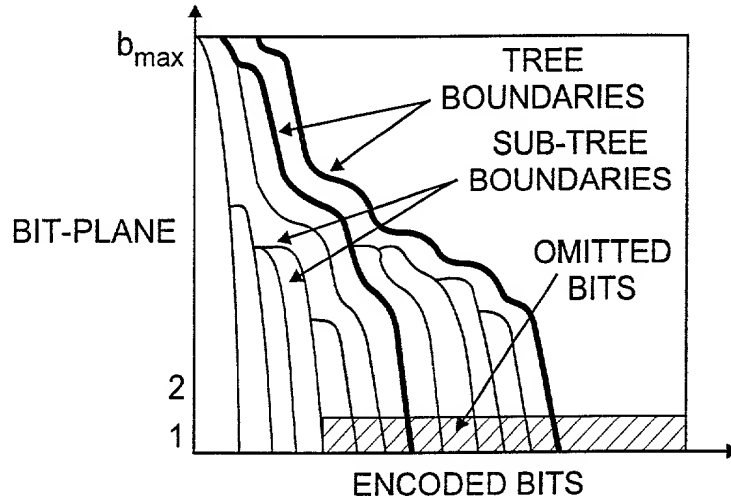
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POST PROCESSOR BIT RE-ORDERING

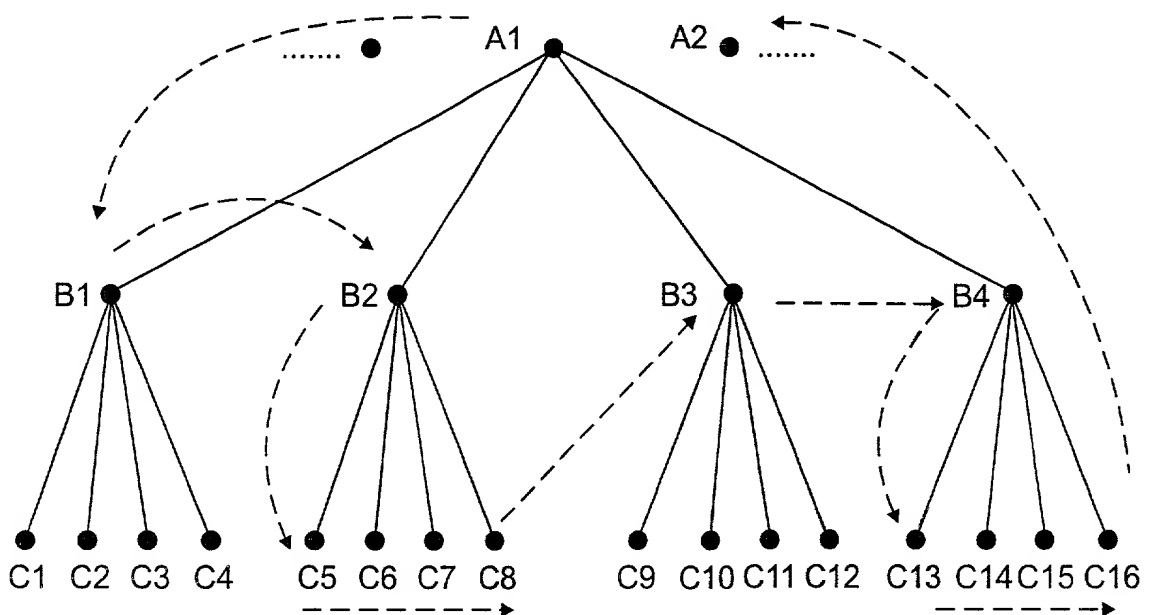
FIG. 5

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THE ORIGINATING NODE OF BITS IN THE ENCODER
BIT-STREAM OUTPUT AS A FUNCTION OF BIT-PLANE
AND BIT NUMBER FOR THE REFERENCE

FIG. 6



TRAVERSE BY "SIBLINGS FIRST, THEN SUB-TREES"

FIG. 7

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T04090" 01222860

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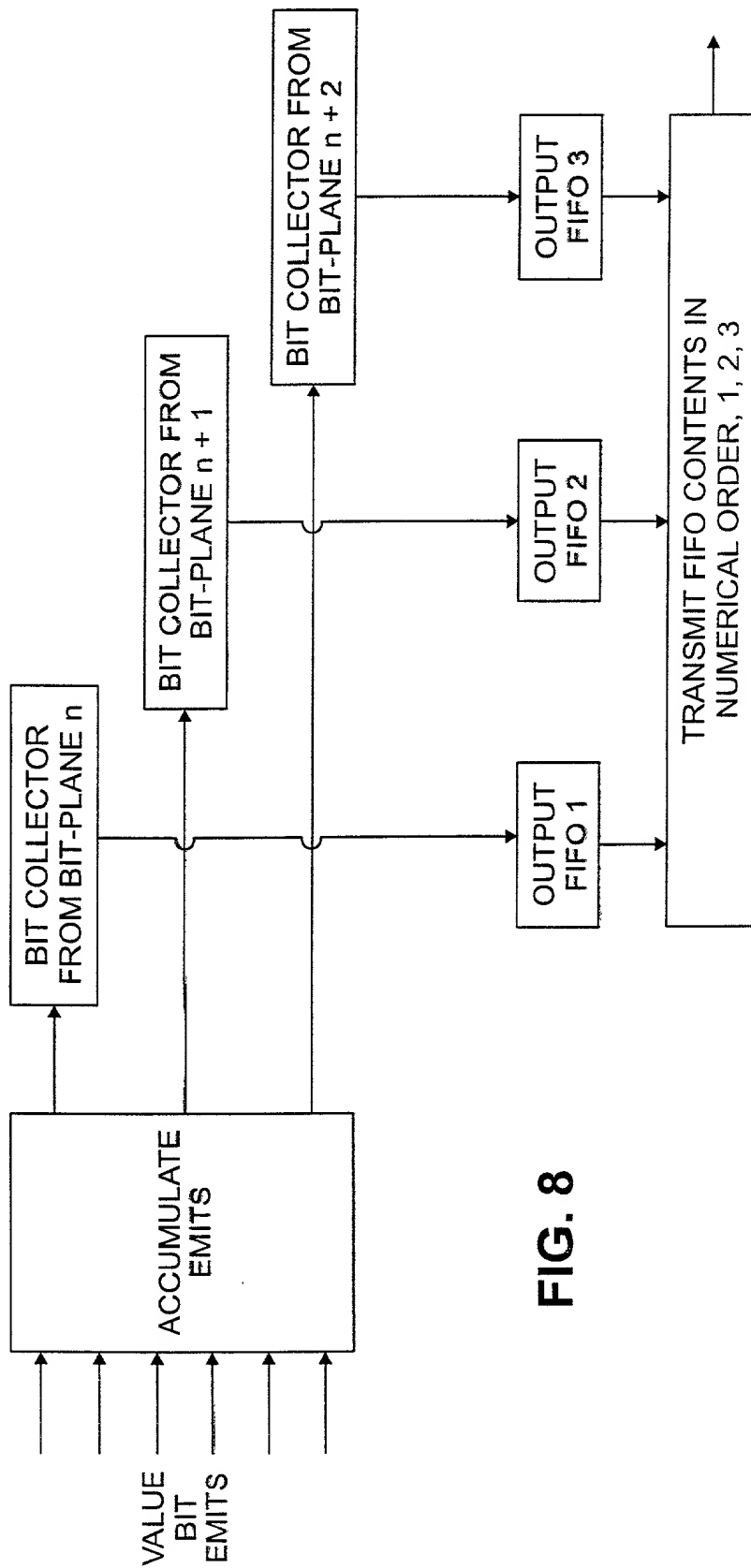


FIG. 8

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	BOTH	756 x 512	1920 x 1088	
AVERAGE DIFFERENCE	0.38	0.55	0.34	DB
STD DEVIATION	0.17	0.09	0.16	DB
MAX	0.72	0.72	0.62	DB
MIN	0.01	0.46	0.01	DB

COMPARISON OF PSNR VALUES ACHIEVED BY THE
SPIHT AND LIFTS REFERENCE ALGORITHMS

FIG. 9

T04090"01222860

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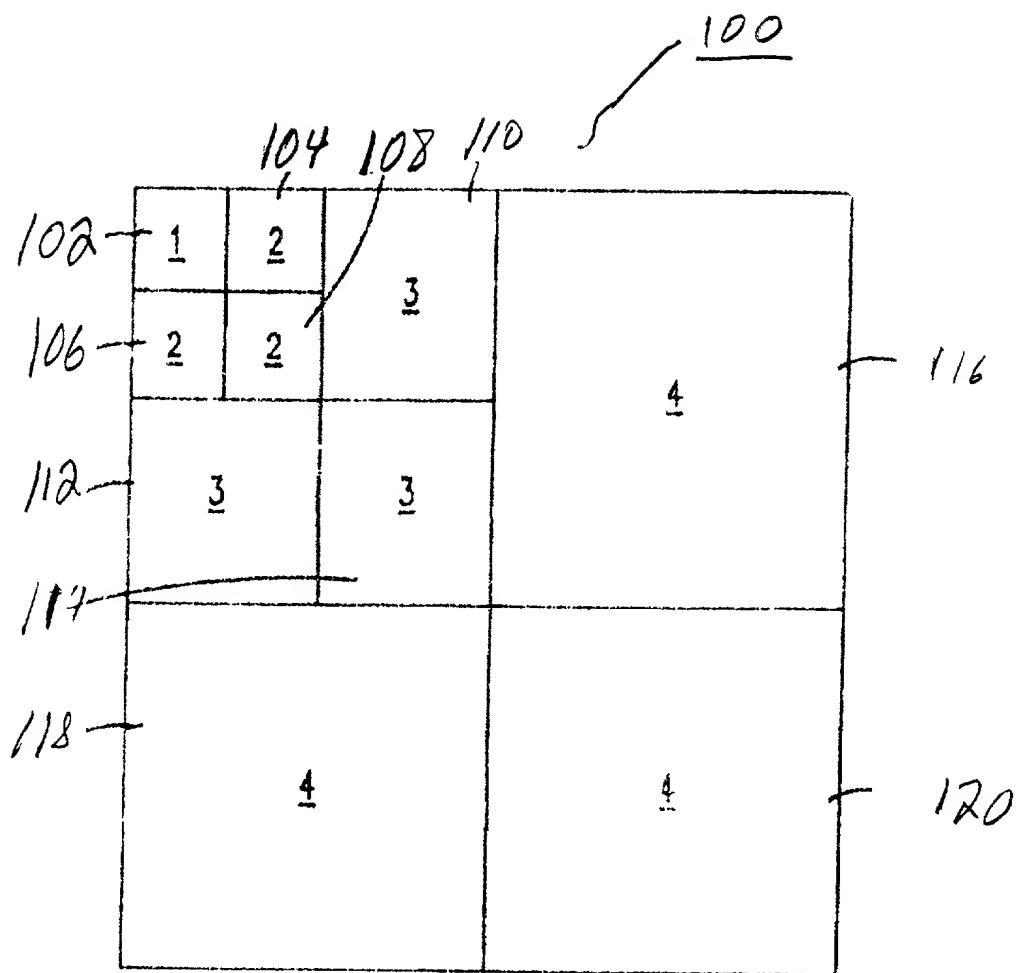
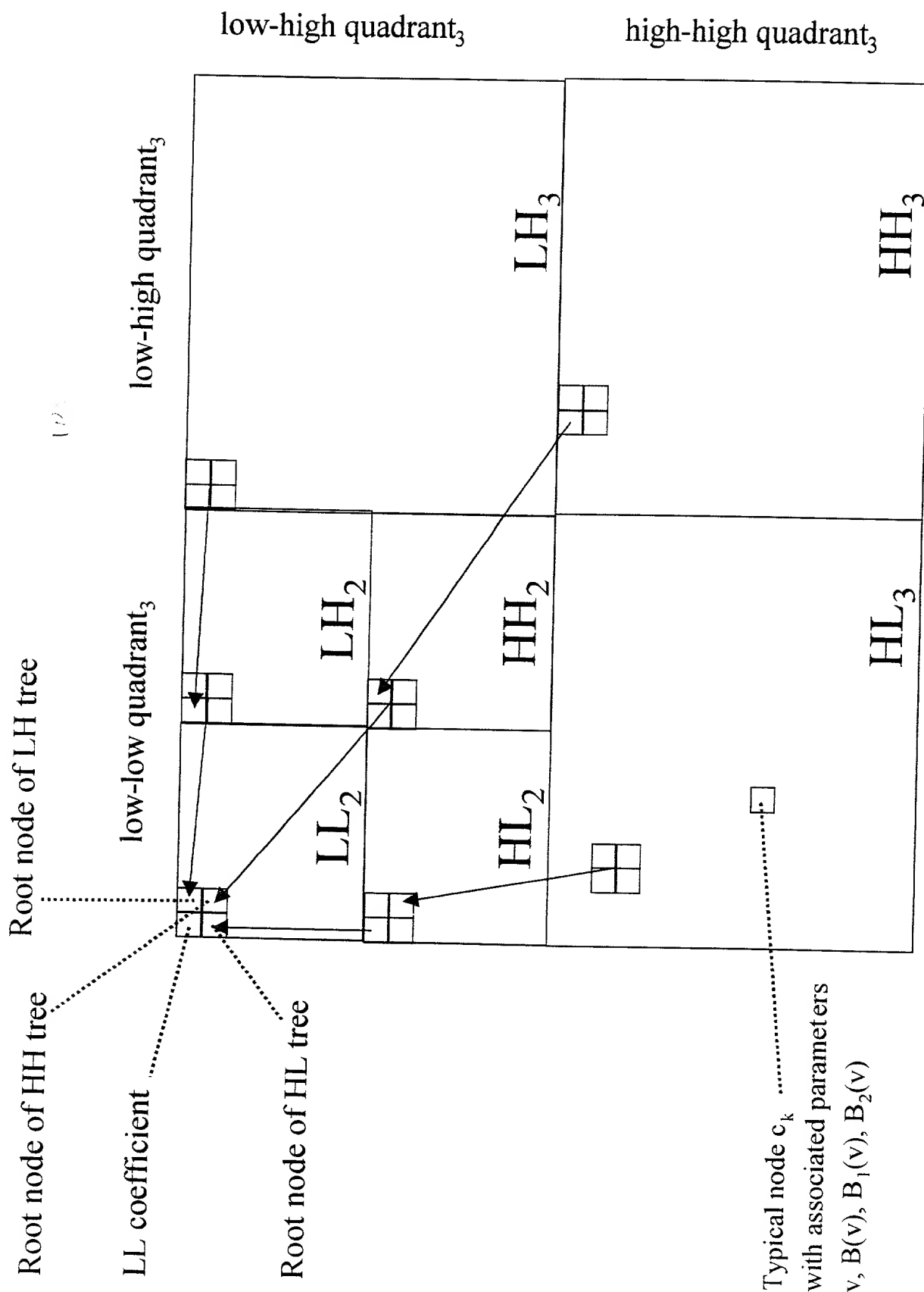


FIG. 10

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F16.11

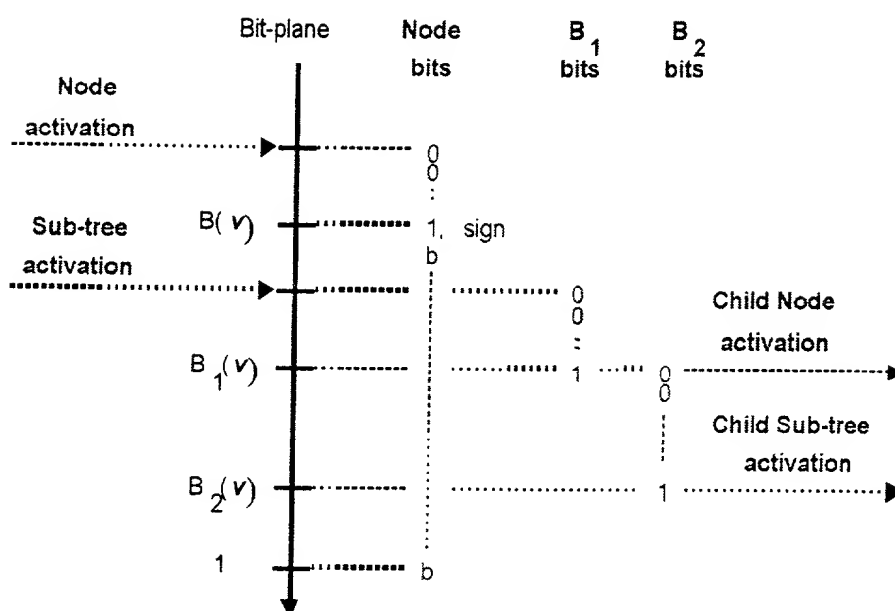
[illegible]

Fig. 12

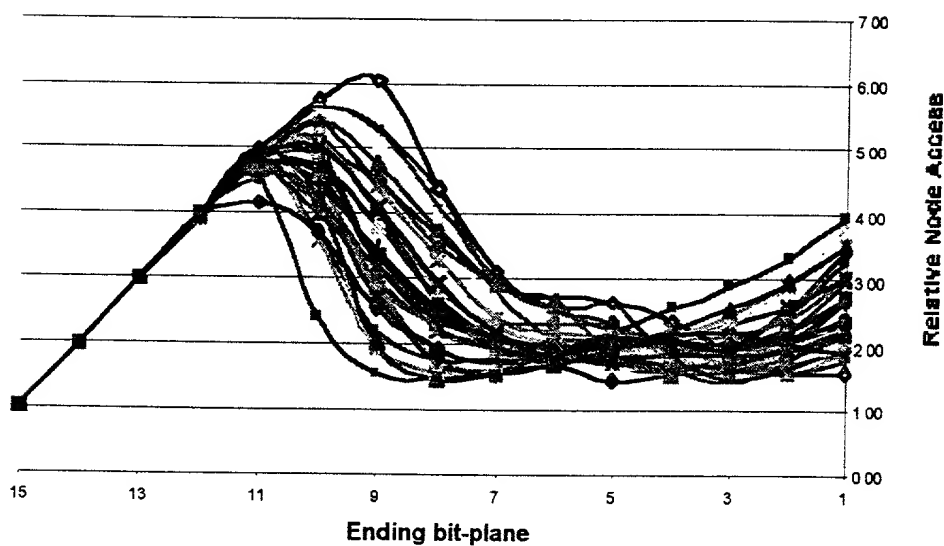


Fig. 13

[illegible]

NOTATION:

$B(v)$: 4-bit index of most significant "1" in node "v"

$B_1(v)$: Max $B(v)$ among all children of v

$B_2(v)$: Max $B(v)$ among all "grandchildren"

$B_1(p)$, $B_2(p)$: corresponding parameters for parent node, p, of v.

Logic to Histogram and Threshold Bit Counts by Bit Plane

Fig. 15

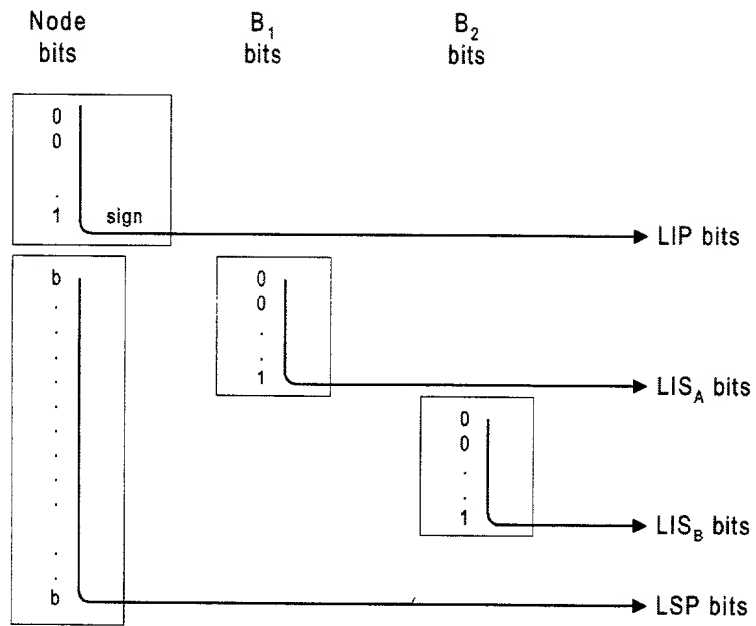


Figure 16

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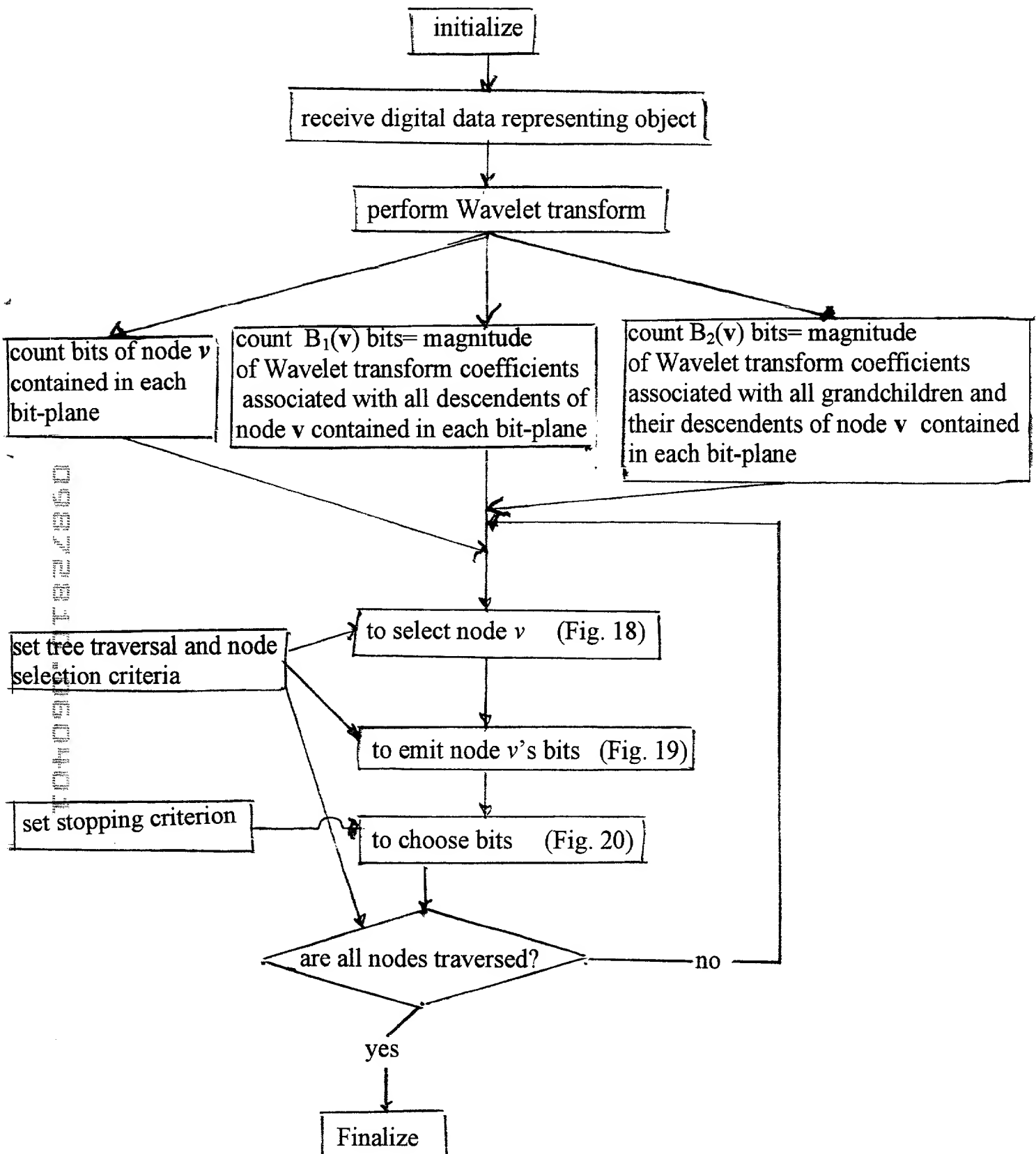


Fig. 17

from tree traversal and node selection criteria

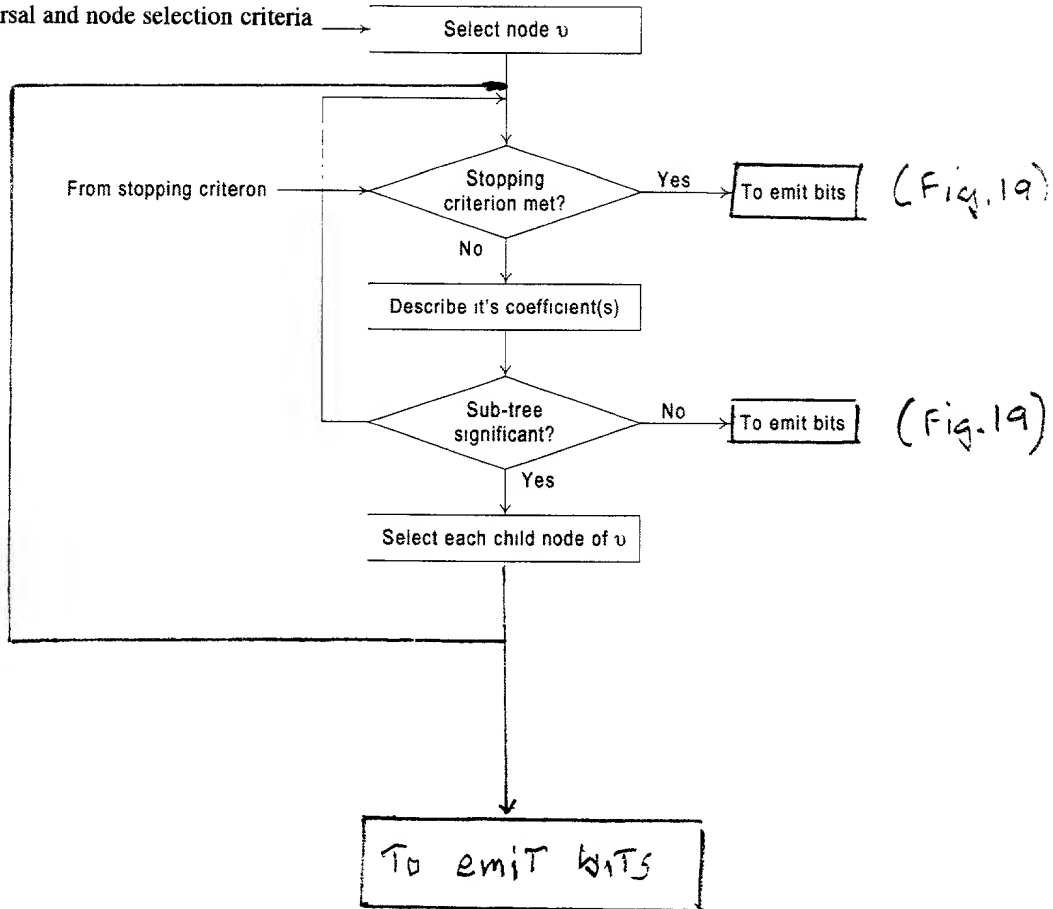


Fig. 18

T04090"072860

from tree traversal and node selection criteria →

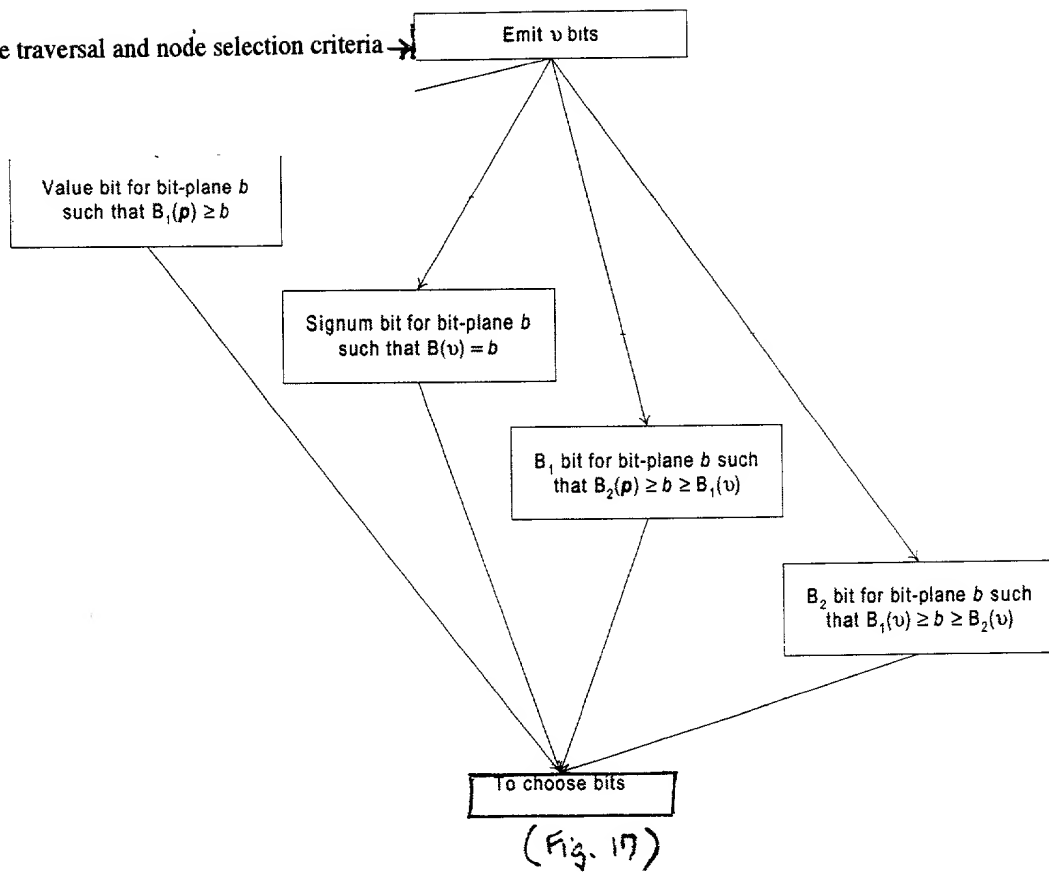


Figure 19

- Value bit-stream to choose bits (Fig. 20)
- Signum bit-stream to choose bits (Fig. 20)
- B₁ bit-stream to choose bits (Fig. 20)
- B₂ bit-stream to choose bits (Fig. 20)

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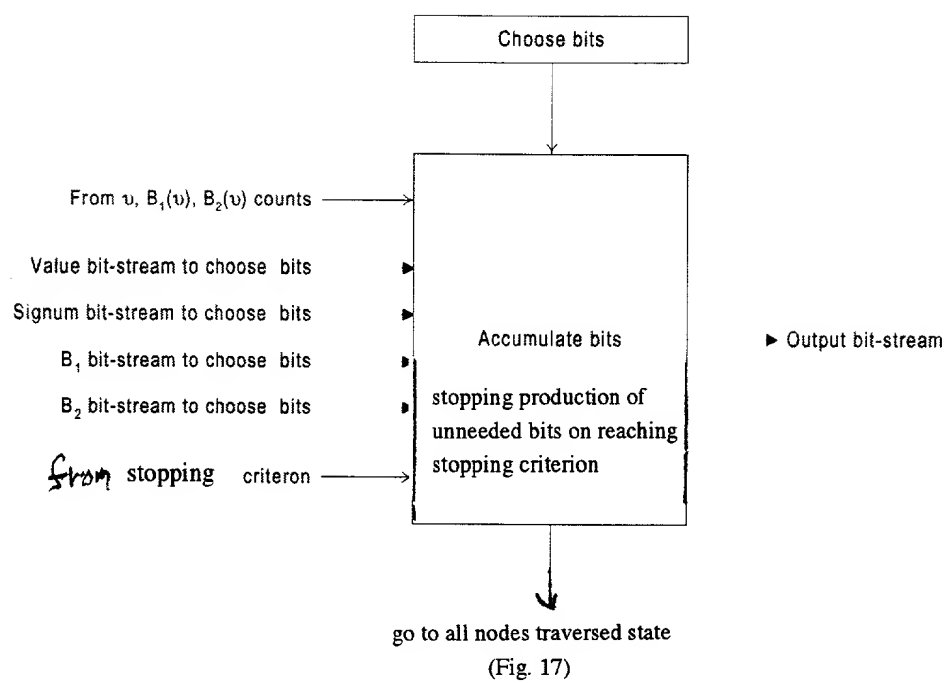


Figure 20

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